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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,192	06/30/2003	Kestutis Patiejunas	MFCP.103653	8780

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EXAMINER

CALLAHAN, PAUL E

ART UNIT	PAPER NUMBER
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2137

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/608,192	Applicant(s) PATIEJUNAS, KESTUTIS	
	Examiner PAUL CALLAHAN	Art Unit 2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6,8,11-18,20,22-30,32-34 and 46-49 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8,11-18,20,22-30,32-34 and 46-49 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 19, 2008 has been entered.
2. Claims 1-48 were pending in the instant application at the time of the issuance of the previous Office Action. Via the latest amendment from the applicant, filed with the RCE on March 19, 2008, claims 7, 9, 10, 19, 21, 31, and 45 have been cancelled, and new claim 49 added. Therefore claims 1-6, 8, 11-18, 20, 22-30, 32-45, and 46-49 are pending and have been examined.

Response to Arguments

3. Applicant's arguments with respect to claims 1-6, 8, 11-18, 20, 22-30, 32-45, and 46-49 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the

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art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 1-6, 11 and 12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claim 1 recites the limitation "encapsulating the data". The phrase is not found in the Specification. Given the range of possible meanings for the term "encapsulating" in data object processing, the claim fails to adequately apprise one of ordinary skill in the art as to the scope of the invention. Claims 2-6, 11 and 12 are dependent on claim 1, and do not cure its deficiency. Therefore these claims are rejected for the same reason as claim 1.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-6, 8, 11, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bolik, US 6,857,053.

As for claim 1, Bolik teaches system for managing the transmission of data from at least one data source to a remote destination (abstract), the system comprising: an input interface to receive data from at least one data source (col. 6 lines 3-7); a communication engine, communicating with the input interface (col. 6 lines 18-34) associating each of the data sources with at least one corresponding session (col. 6 lines 3-34), wherein the one or more message objects are buffered in an output message queue prior to transmission to the remote destination via a transport layer (col. 6 lines 18-34); and the transport interface (col. 3 lines 20-30), the communication engine buffering the message objects prior to transmission to the remote destination via a transport layer (col. 6 lines 18-34); a dispatcher module for binding the corresponding session to one or more connections (col. 6 lines 3-34), wherein the message object is transmitted through the one or more connections to a remote destination including an input message queue for buffering the message objects (col. 6 lines 18-34). Bolik fails to teach the feature of encapsulating the data into one or more message objects. However, Krause does teach this step of message encapsulation (col. 8 lines 9-18). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate this feature into the system of Bolik. It would have been obvious to do so since this would provide for more efficient message processing at a destination address.

As for claim 2, Bolik teaches a system according to claim 1, wherein the at least one data source comprises a network (col. 3 lines 12-20)

As for claim 3, Bolik teaches a system according to claim 2, wherein the network comprises at least one server (col. 3 lines 12-20).

As for claim 4, Bolik teaches a system according to claim 3, wherein the network comprises a local area network (col. 3 lines 15-20).

As for claim 5, Bolik teaches a system according to claim 1, wherein the transport layer comprises a Transport Control Protocol layer (col. 3 lines 10-35).

As for claim 6, Bolik teaches a system according to claim 1, wherein the remote destination comprises a storage host (col. 3 lines 21-26).

As for claim 8, Bolik teaches a system according to claim 1, wherein the at least one data source comprises a plurality of data sources (col. 3 lines 12-20, col. 6 lines 3-7).

As for claim 11, Bolik teaches a system according to claim 1 wherein the dispatcher module binds more than one session to at least one of the connections to the remote destination (col. 6 lines 3-34).

As for claim 12, Bolik teaches a system according to claim 1, wherein the buffering of the message objects is performed at least in part according to a state of a message completion port (col. 6 lines 3-37).

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 3-18, 20, 22-30, 32-44, and 46-49 are rejected under 35 U.S.C. 102(e) as being anticipated by Bolik.

Bolik teaches:

As for claim 13, a method for managing the transmission of data from at least one data source to a remote destination (abstract), the system comprising: receiving data from at least one data source (col. 6 lines 3-7); transforming the data to a plurality of message objects (col. 6 lines 3-34); associating each of the data sources with at least one corresponding session (col. 6 lines 3-34); buffering the message

objects in an output message queue prior to transmission to the remote destination via a transport layer (col. 6 lines 18-34), and facilitating the transmission of the message objects to the remote destination, wherein the remote destination includes an input message queue for buffering the message objects (col. 6 lines 18-34).

As for claim 14, a method according to claim 13, wherein the at least one data source comprises a network (col. 3 lines 13-20).

As for claim 15, method according to claim 14, wherein the network comprises at least one server (col. 3 lines 13-20).

As for claim 16, a method according to claim 15, wherein the network comprises a local area network (col. 3 lines 15-20).

As for claim 17, a method according to claim 13, wherein the transport layer comprises a Transport Control Protocol layer (col. 3 lines 10-35).

As for claim 18, a method according to claim 13, wherein the remote destination comprises a storage host (col. 3 lines 21-26).

As for claim 20, a method according to claim 13, wherein the at least one data source comprises a plurality of data sources (col. 3 lines 12-20, col. 6 lines 3-7).

As for claim 22, a method according to claim 13, further comprising a step of binding at least one session to at least one of a plurality of connections to the remote destination (col. 6 lines 3-34).

As for claim 23, a method according to claim 22, wherein the step of binding comprises a step of binding more than one session to at least one of the connections to the remote destination (col. 6 lines 3-34).

As for claim 24, a method according to claim 13, wherein the step of buffering the message objects is performed at least in part according to a state of a message completion port (col. 6 lines 3-37).

As for claims 25-30 and 32-36, these claims are directed towards the database system that corresponds to the method of claims 13-18, 20, and 22-24. Claims 25-30 and 32-36 recite substantially the same limitations as claims 13-18, 20, and 22-24 and are rejected on the same basis as those claims.

As for claims 37-44, and 46-48, these claims are directed towards the computer program product embodied in a computer readable medium that causes a processor to undertake the method steps of claims 13-18, 20, and 22-24. Claims 37-44 and 46-49

recite substantially the same limitations as claims 13-18, 20, and 22-24 and are rejected on the same basis as those claims.

As for claim 49, Bolik teaches the one or more media according to claim 37, wherein the message object is larger than one megabyte (col. 3 lines 15-20: Bolik teaches the network as a Storage Area Network: SAN, such a network is inherently designed to accommodate large message sizes of one megabyte or larger).

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul E. Callahan whose telephone number is (571) 272-3869. The examiner can normally be reached on M-F from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Emmanuel Moise, can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is: (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Paul Callahan/

March 28, 2008

/Emmanuel L. Moise/

Supervisory Patent Examiner, Art Unit 2137